

Project Audit



Project:
Mobi Pad

May 18, 2022



Mobi Pad



Overview

This audit has been prepared for **Mobi Pad** to review the main aspects of the project to help investors make an informative decision in the research process.

You will find a a summarized review of the following main key points:

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.



"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
– SpyWolf Team

Smart Contract Summary

Contract Name	MobiPad
Ticker	MBP
Contract	0x297Cd71a29c987377C7B59Bdf404e926A3A7a3c6
Network	Binance smart chain
Language	Solidity
Tax	Buy: 1% Sell: 1%
Total Supply	2
Max Total Supply	100,000,000
Status	Not launched

Current stats

Burn	No burnt tokens
LP Address	No liquidity added yet
Liquidity	No liquidity added yet
MaxTxAmount	No Limit

Issues Checking Status	
Design Logic	Passed ✓
Compiler warnings.	Passed ✓
Private user data leaks	Passed ✓
Timestamp dependence	Passed ✓
Integer Overflow and Underflow	Passed ✓
Race conditions and Reentrancy. Cross-function race conditions	Passed ✓
Possible delays in data delivery	Passed ✓
Oracle calls	Passed ✓
Front running	Passed ✓
DoS with Revert	Passed ✓
DoS with block gas limit	Passed ✓
Methods execution permissions	Passed ✓
Economy model	Passed ✓
The impact of the exchange rate on the logic	Passed ✓
Malicious Event log	Passed ✓
Scoping and Declarations	Passed ✓
Uninitialized storage pointers	Passed ✓
Arithmetic accuracy	Passed ✓
Cross-function race conditions	Passed ✓
Safe Zeppelin module	Passed ✓
Fallback function security	Passed ✓

Featured Wallets

Owner address	0x7578dFe7a8F2cb1B45B9758b4445F19E0Ae53b61
*Tax store wallet	Same as owner
*FAIRSALE Contract	0xEb79D22c3a15e51B34e444D507ff941F398D73C9
LP token address	No liquidity added yet

*This address can be changed by owner

Top 3 Unlocked Wallets

Wallet 1 (100%)	Same as owner
-----------------	---------------

⚠️ Owner can mint (create) new tokens up to 100,000,000. This can lead to token price inflation and liquidity drain if sold to market.

```
_totalSupply = 2000000000000000; // 2 MBP initial supply  
_maxSupply = 1000000000000000000000000; // 100m max supply  
  
function mint(uint256 amount) public onlyOwner returns (bool) {  
    _mint(_msgSender(), amount);  
    return true;  
}  
  
function _mint(address account, uint256 amount) internal {  
    require(  
        amount.add(_totalSupply) <= _maxSupply,  
        "MBP: cannot mint more than maximum supply"  
    );  
    require(account != address(0), "BEP20: mint to the zero address");  
  
    _totalSupply = _totalSupply.add(amount);  
    _balances[account] = _balances[account].add(amount);  
    emit Transfer(address(0), account, amount);  
}
```

! Owner can change buy/sell fees up to 100%.

```
function updateBuyTax(uint256 _percentage) external onlyOwner {
    _BUY_TAX = _percentage;
}
function updateSellTax(uint256 _percentage) external onlyOwner {
    _SELL_TAX = _percentage;
}
```

Security Threads

! Owner can change FairSale contract address.
FairSale contract address can mint (create) new tokens up to 100,000,000.
The current FairSale contract can mint new tokens up to 24,000,000.

```
function setFairsaleContract(address _fairsaleContract) external onlyOwner {
    FAIRSALE_CONTRACT = _fairsaleContract;
}

function mintSupply(address _investorAddress, uint256 _amount) external {
    require(
        msg.sender == FAIRSALE_CONTRACT,
        "BEP20: Only Presale contract can use this fuction"
    );
    _mint(_investorAddress, _amount);
}
```


Smart Contract Summary

Contract Name	MBPFairlaunch
Ticker	N/A
Contract	0xEb79D22c3a15e51B34e444D507ff941F398D73C9 Token minting contract
Network	Binance smart chain
Language	Solidity
Referral Percentage	5%
Pool supply	24,000,000
Status	Deployed

Featured Wallets

Owner	0x7578dFe7a8F2cb1B45B9758b4445F19E0Ae53b61
MBP Contract	0x297Cd71a29c987377C7B59Bdf404e926A3A7a3c6
Withdrawal address	Same as owner

Security Threads

Owner can change refund, sale and claim states.

For investor to be eligible for refund, the following conditions must be met:

sale_enabled must be disabled once so the owner can turn refund_enabled on.

refund_enabled must be enabled by the owner.

claim_enabled must be disabled.

```
function setSaleEnabled(bool _enabled) external onlyOwner {
    sale_enabled = _enabled;
}

function setClaimEnabled(bool _enabled) external onlyOwner {
    claim_enabled = _enabled;
    if (_enabled == true) {
        refund_disabled_forever = true;
        sale_enabled = false;
    }
}

function setRefundEnabled(bool _enabled) external onlyOwner {
    if (_enabled == true) {
        require(
            !sale_enabled,
            "PMBP: Refund can not be enabled when sale is currently active"
        );
        refund_enabled = _enabled;
    } else {
        refund_enabled = _enabled;
    }
}
```

Owner can change referral bnb reward percent.

```
function setReferralPercentage(uint256 _percentage) external onlyOwner {
    referral_percentage = _percentage;
}
```

Security Threads

Owner can set vesting claim amounts as follows:

20% of total purchased tokens if Vesting1 mode is set.

40% of total purchased tokens if Vesting2 mode is set.

All of purchased or remaining tokens if Vesting3 mode is set.

⚠ If none of the above modes is set to true, investor can't claim any tokens.

Currently all modes are set to false.

```
bool private vesting_1_enabled = false;
bool private vesting_2_enabled = false;
bool private vesting_3_enabled = false;

uint256 private vesting_1 = 20; // 20%
uint256 private vesting_2 = 40; // 40%
uint256 private vesting_3 = 40; // 40%

function setVesting1Enabled(bool _enabled) external onlyOwner {
    if (_enabled == true) {
        vesting_2_enabled = false;
        vesting_3_enabled = false;
    }
    vesting_1_enabled = _enabled;
}

function setVesting2Enabled(bool _enabled) external onlyOwner {
    if (_enabled == true) {
        vesting_1_enabled = false;
        vesting_3_enabled = false;
    }
    vesting_2_enabled = _enabled;
}

function setVesting3Enabled(bool _enabled) external onlyOwner {
    if (_enabled == true) {
        vesting_1_enabled = false;
        vesting_2_enabled = false;
    }
    vesting_3_enabled = _enabled;
}
```

Security Threads

! Owner can withdrawal funds from the contract at any time, even if the investors did not claimed their tokens.

```
function withdrawFunds(uint256 _amount) external onlyOwner {
    WITHDRAWAL_ADDRESS.transfer(_amount);
}
function withdrawFundsAlt(uint256 _amount) external onlyOwner {
    (bool success, ) = WITHDRAWAL_ADDRESS.call{value: _amount}("");
    require(success);
}
```

Owner can change referral bnb reward percent.

```
function setReferralPercentage(uint256 _percentage) external onlyOwner {
    referral_percentage = _percentage;
}
```

Notes

When user refund the invested funds, this is not taken into consideration in the 'totalBnbInvested' variable.

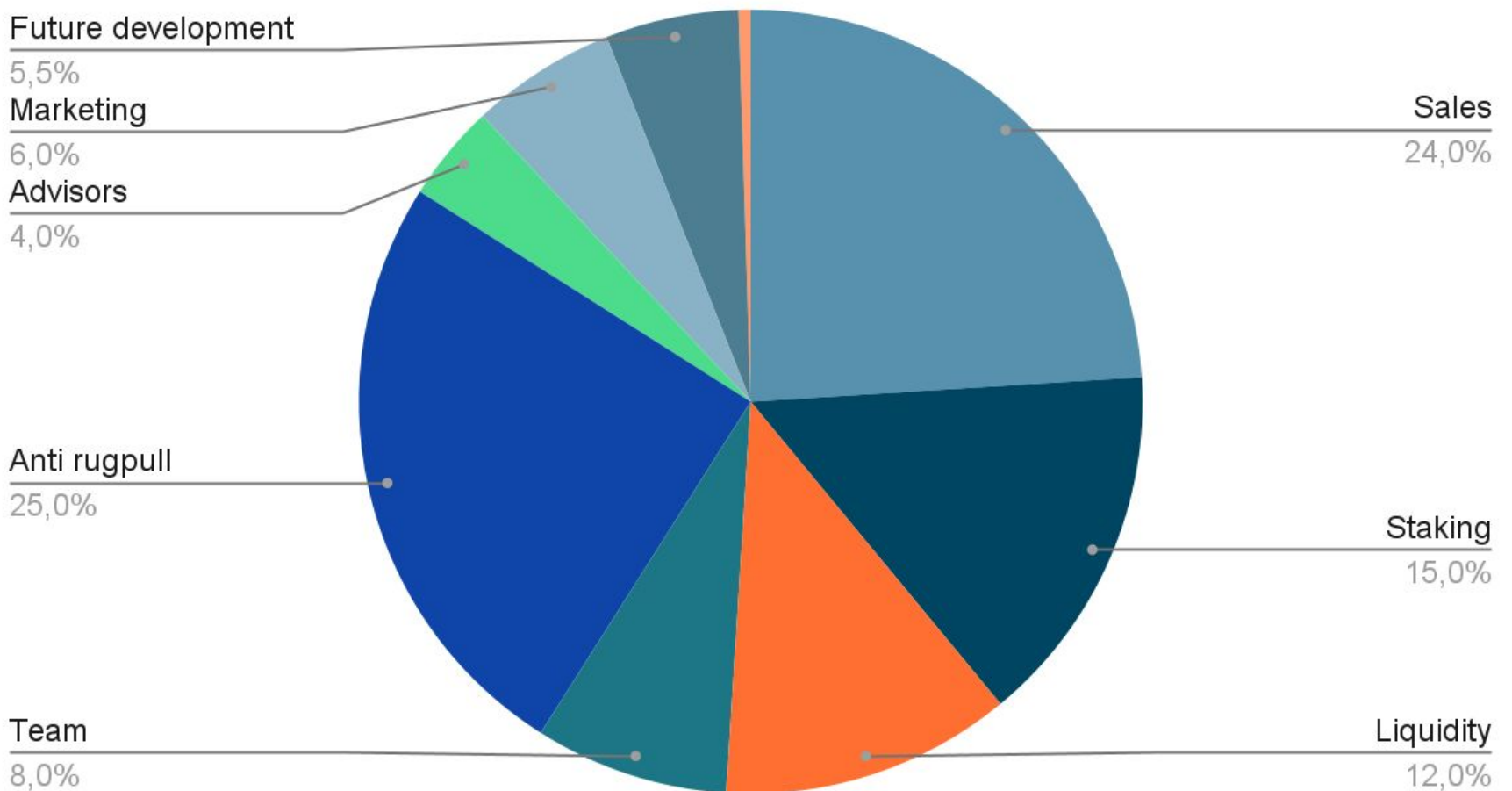
For example if 10 users invested 1 bnb but 3 of them issue full refund, 7 bnb remaining for the presale but the 'totalBnbInvested' is still at value 10.

Tokenomics

According to their whitepaper

- 24% - Sales
- 12% - Liquidity
- 15% - Staking
- 8% - Team
- 25% - Anti rugpull
- 6% - Marketing
- 4% - Advisors
- 5.5% - Future development
- 0.5% - Airdrops

Tokens distribution



Mobi Pad Project & Team Review

According to their website and roadmap:

Mobipad will be launchpad implementing multi-chain fundraise system across different blockchains.

There will be tiered system where users will be required to own tokens/NFTs in order to participate in new projects launched on the platform.

MobiPad will offer the ability to auto claim vested tokens after fundraising, independent of both project owners and the MobiPad team.

There will be also SAFU fund which will cover funds of investors in case of rugpulls. MobiPad will also develop mobile app for easier interaction.

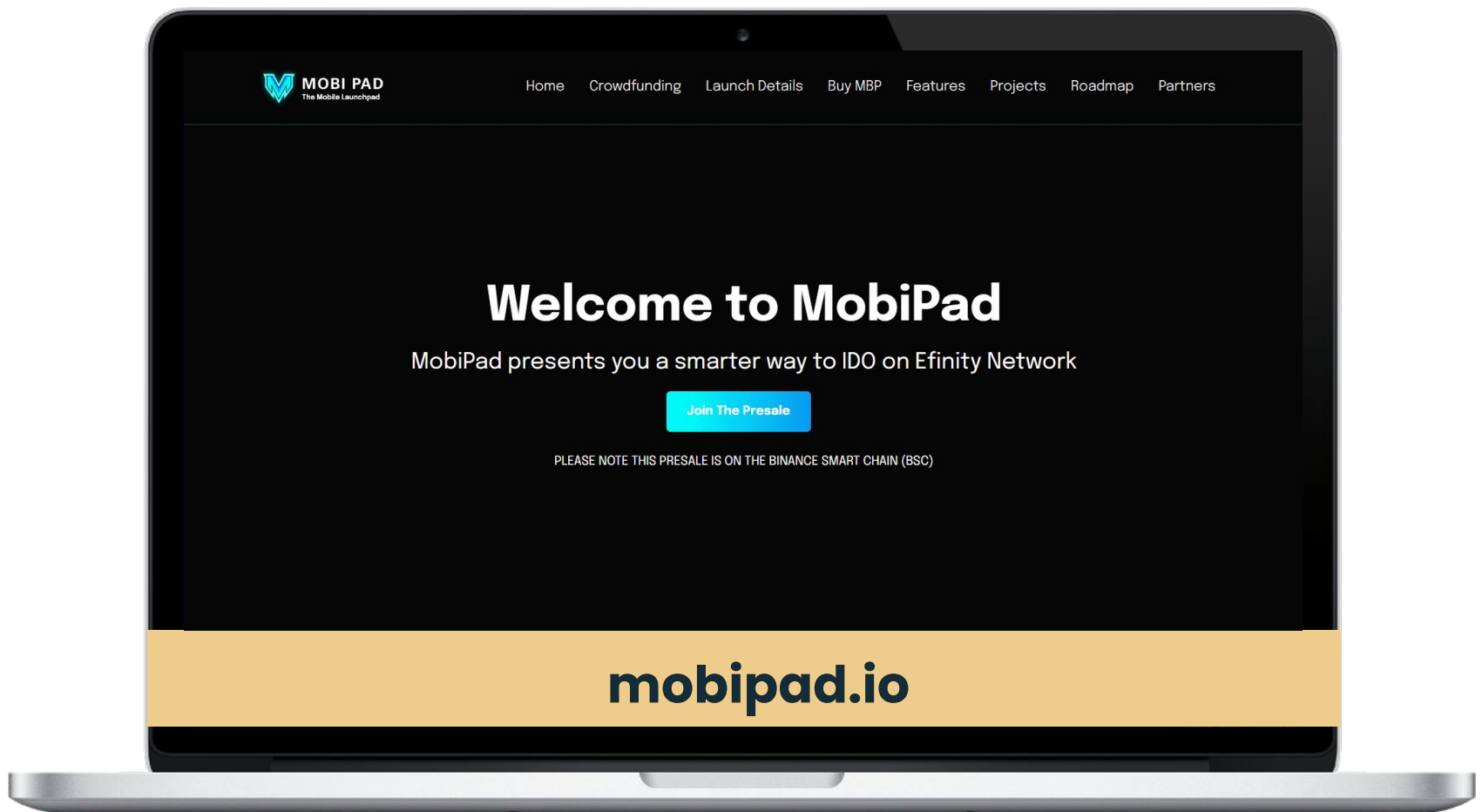
Team:

 **Team has not been KYC'd** 

Website Analysis

URL: <https://mobipad.io/>

- **Design:** Pleasant design, single template page, appropriate color scheme.
- **Content:** Informative, well structured.
- **Whitepaper:** Well written, explanatory.
- **Roadmap:** Goals set at 5 phases without time frames.
- **Mobile-friendly?:** Yes
- **Technical:** SSL certificate present. General SEO check passed.



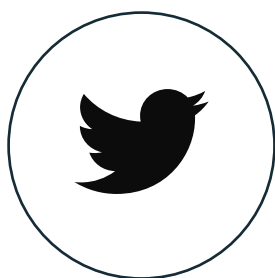
Social Media & Online Presence



Telegram

<https://t.me/MobiPad>

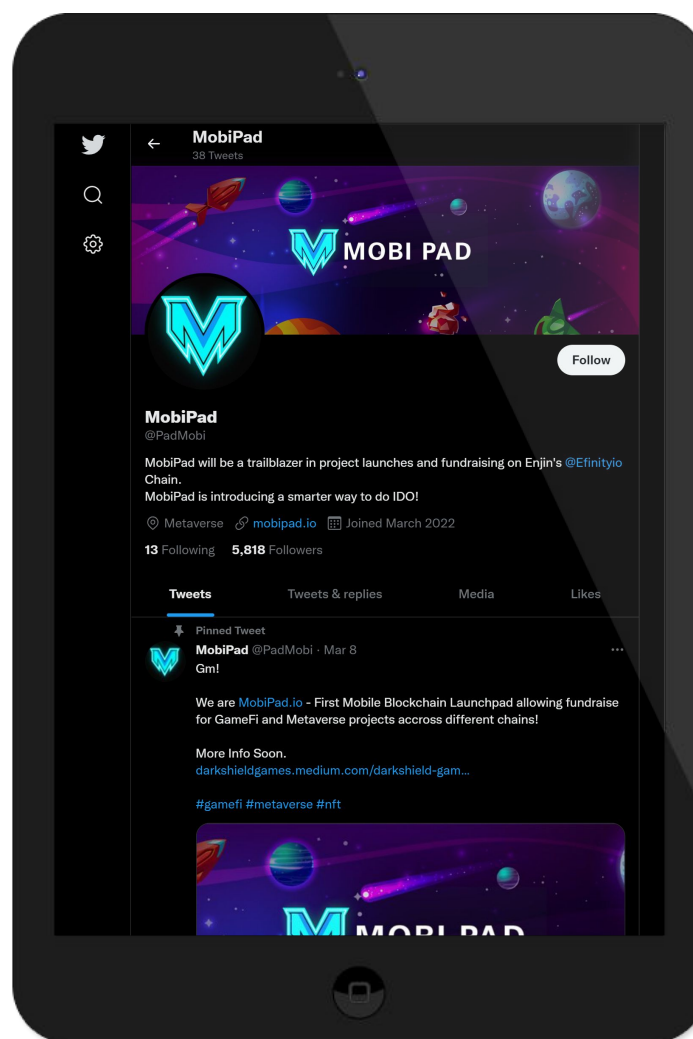
- 103 952 members, bottled ⚠️
- Few active members ⚠️
- Active mod



Twitter

<https://twitter.com/PadMobi>

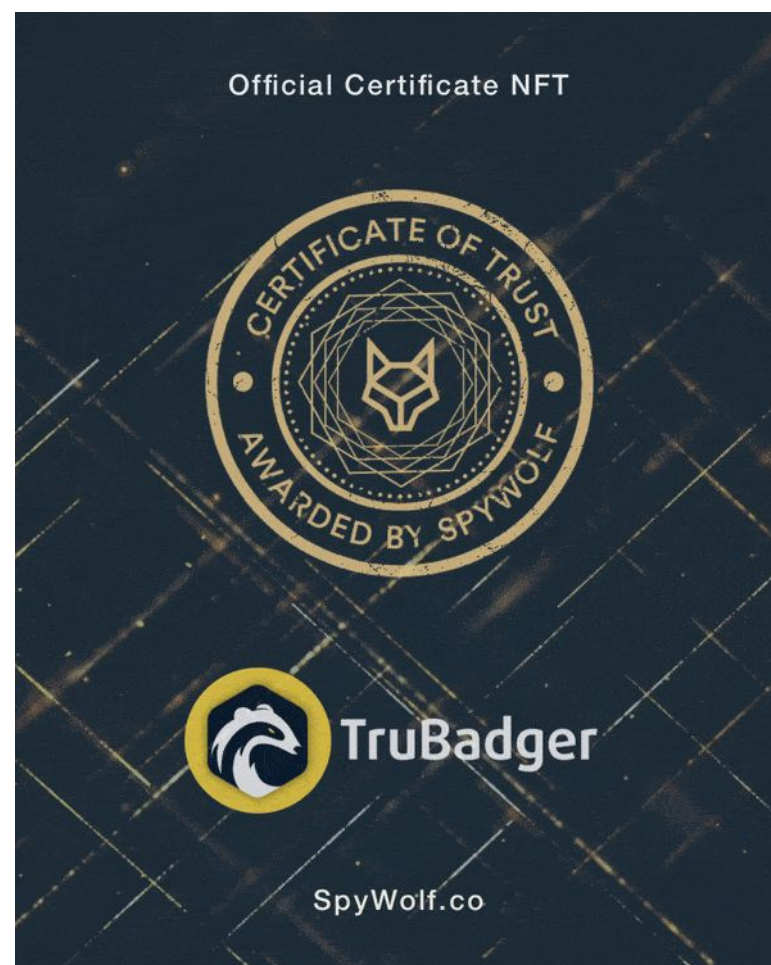
- 30 200 Followers
- Active



About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, \$SPY.

- Website: SpyWolf.co
- Portal: SpyWolf.network
- Telegram: [@SpyWolfNetwork](https://t.me/SpyWolfNetwork)
- Twitter: [Twitter.com/SpyWolfNetwork](https://twitter.com/SpyWolfNetwork)



(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

DISCLAIMER:

By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice.

No one shall have any right to rely on the report or its contents, and SpyWolf and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (SpyWolf) owe no duty of care towards you or any other person, nor does SpyWolf make any warranty or representation to any person on the accuracy or completeness of the report.

The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and SpyWolf hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, SpyWolf hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against SpyWolf, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report. The analysis of the security is purely based on the smart contracts, website, social media and team.

No applications were reviewed for security. No product code has been reviewed.